



**Beyond
CSBridge**

Quick Recap

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Intro to Computer Science

Summer 2019
July 9th to July 19th at Czech Technical University

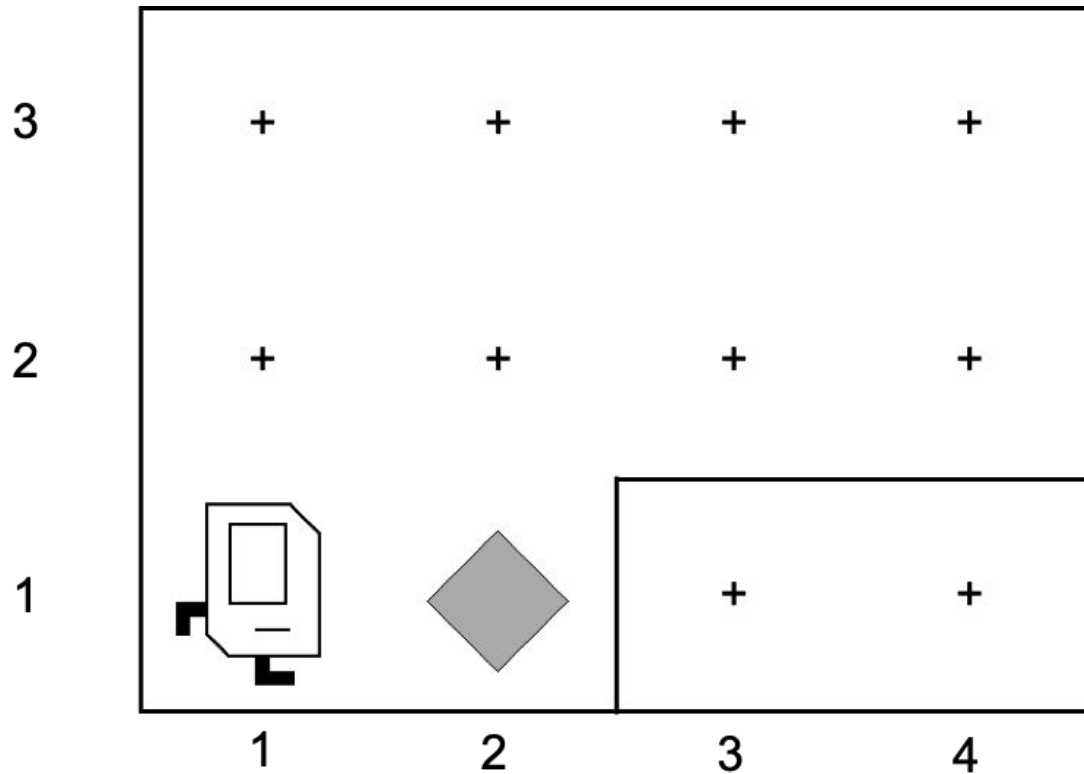
The Idea of the Course

The point of this two week course is to teach you the fundamentals of programming to the point where you can go and learn on your own. It is taught by a collaboration of Stanford University and CTU. You will learn to program using material for Stanford's Introduction to Computer Science course.

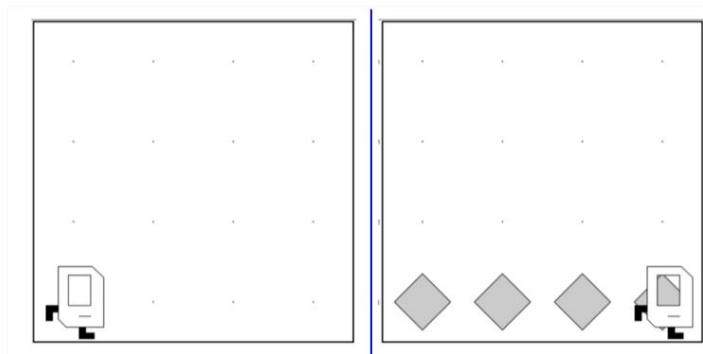
Programs

- Karel
- Control Flow
- Variables
- Variables 2
- Graphics
- Animation
- Methods
- Nested Loops
- Events
- Breakout
- AI
- ArrayLists
- HashMaps
- The Internet (Slides)
- The Internet (Code)

First Day

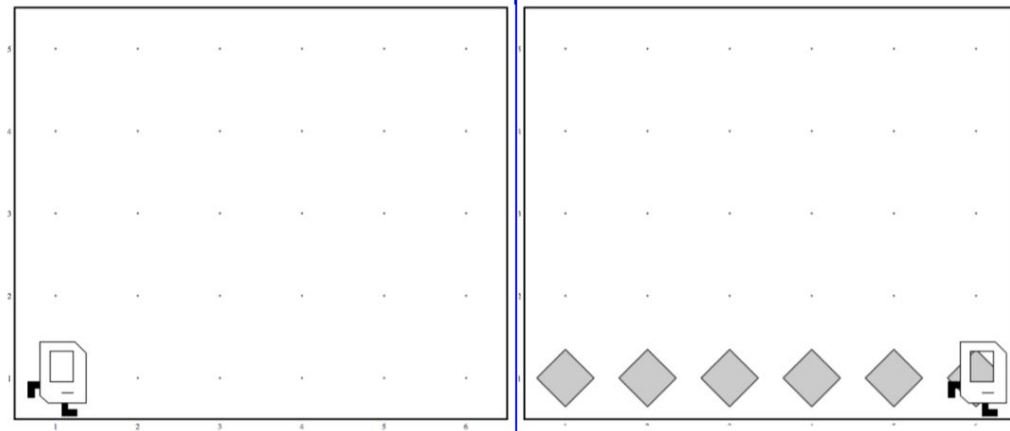


Generalization



Before

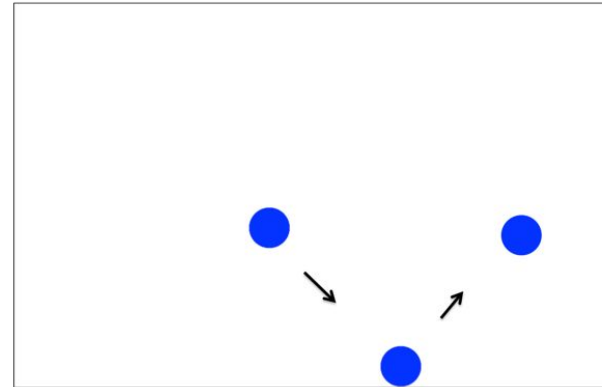
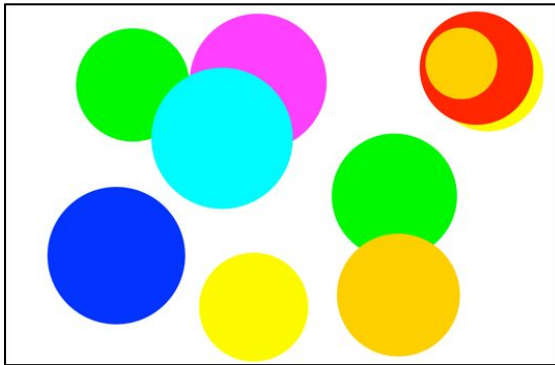
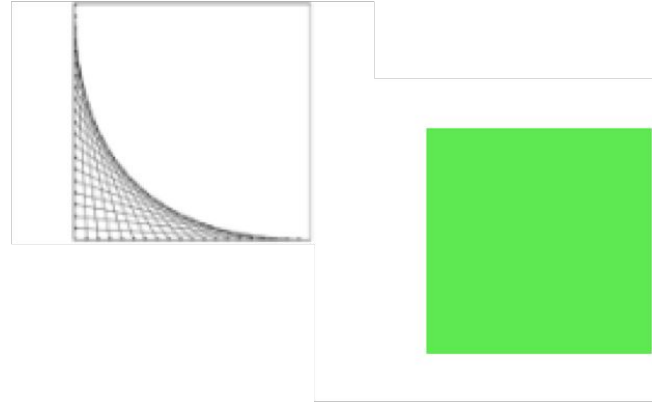
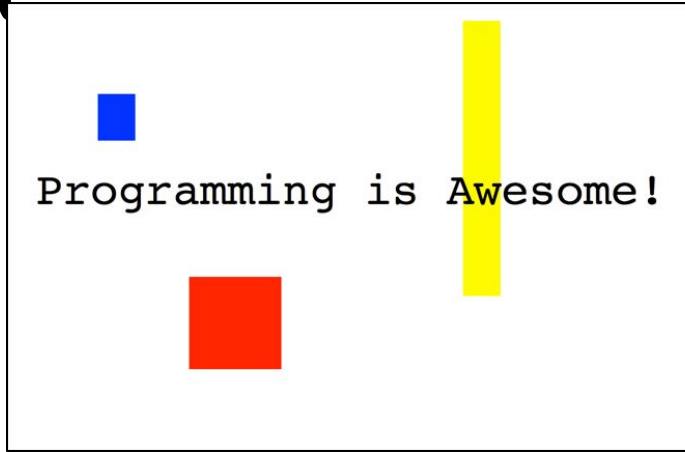
After



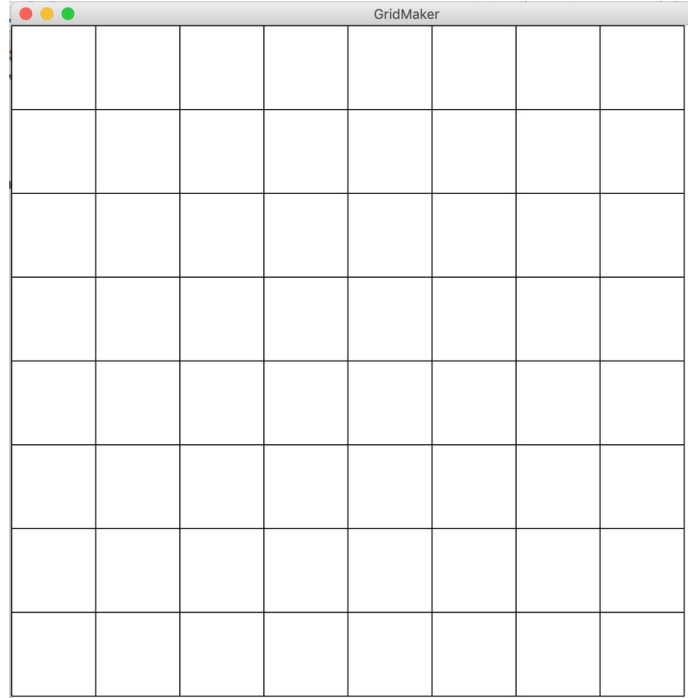
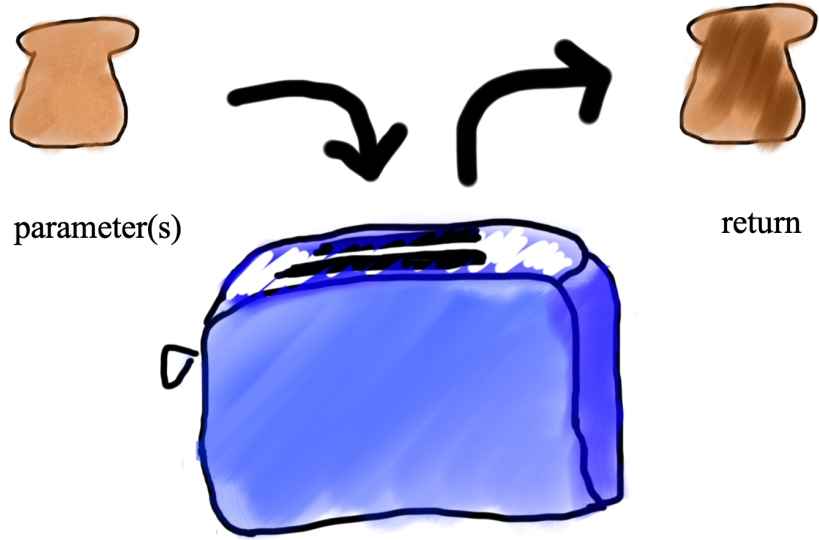
variables



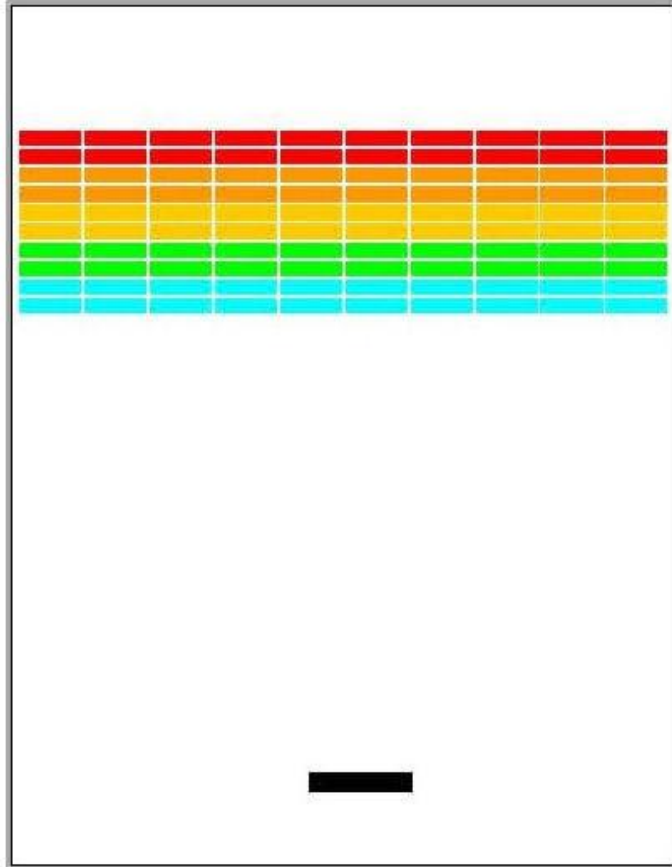
Graphics and Animation



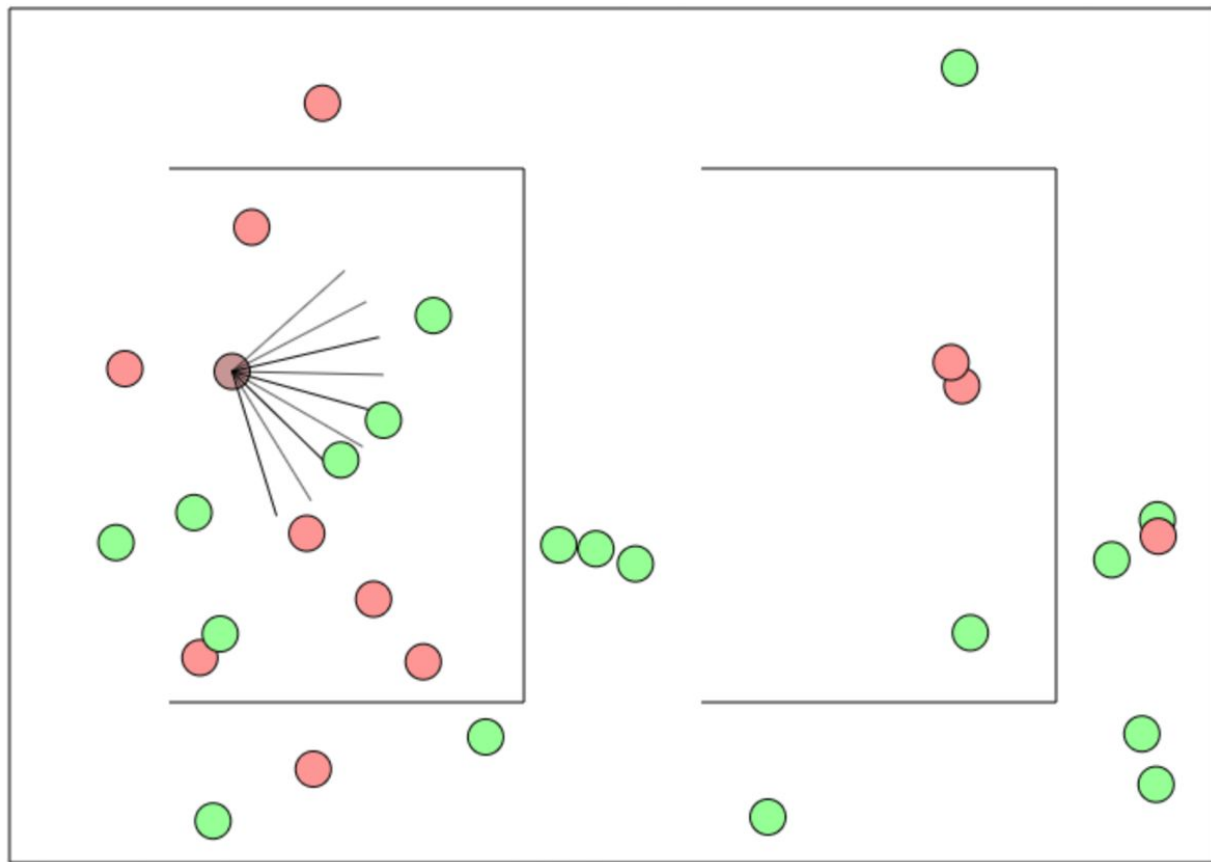
Methods and Advanced Loops



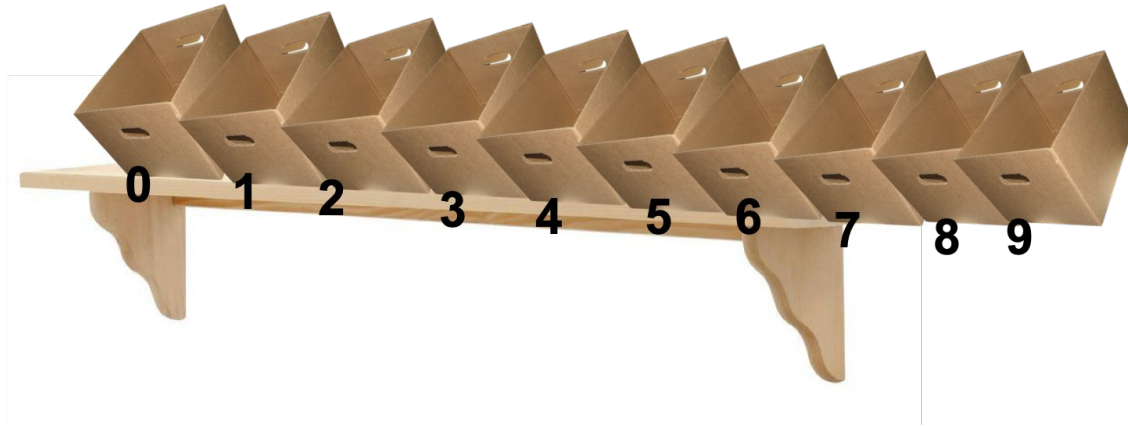
Events and Breakout



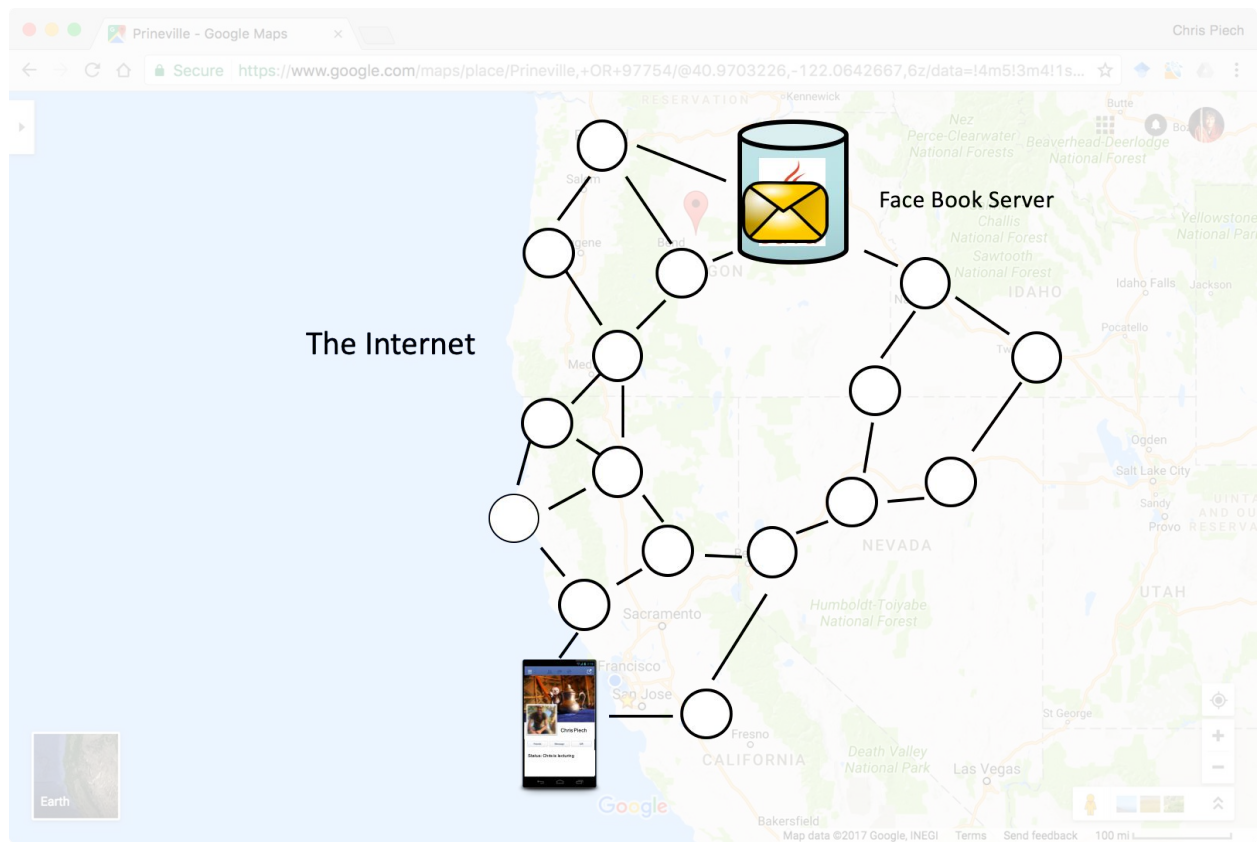
A1



ArrayLists and HashMaps



The Internet



Self-study

<https://see.stanford.edu/Course/CS106A>

<https://online.stanford.edu>

<https://www.coursera.org/>

<https://www.khanacademy.org/>

<https://www.udemy.com/>

<https://www.pluralsight.com/>

<https://docs.oracle.com/javase/tutorial/>

useful download links

<https://www.oracle.com/technetwork/java/javase/downloads/index.html>

<https://www.eclipse.org/downloads/>

https://web.stanford.edu/dept/cs_edu/eclipse

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Be a star!

<https://casopis.fit.cvut.cz/deni-na-fit/introduction-to-computer-science-2018-ocima-ucastnici/>

Bud'FIT časopis
FIT CVUT

TÉMA ▾

RUBRIKY ▾

O ČASOPISU



Introduction to Computer Science 2018: Očima účastnice

📅 28. 8. 2018 👤 Externí autor ➡️ Aktuální dění na FIT, Holky v IT ✎ Edit

Asi by se slušelo říct pár slov na úvod o tom, kdo vlastně jsem. V květnu jsem odmaturovala na gymnáziu v Kladně a jsem přijatá na FIT ČVUT. Zatím o IT moc nevím, ale hrozně mě to zajímá. Všechno, co jsme na gymnáziu v hodinách informatiky dělali, mě bavilo a uždu jsem chtěla toho umět víc. Když jsem zjistila, že

AKTUÁLNÍ TÉMA



NEJNOVĚJŠÍ PŘÍSPĚVKY

Společně táhneme za jeden kabel aneb FIT slaví deset let své existence

Pavel Tvrdík: O vzniku fakulty po 10 letech

Programmer's Brain – studentský projekt na mezinárodní prezentaci DA-SPACE

Magistrovák – úvodní akce pro magisterské studium

FIT Párty 2019

Algoritmy pro život

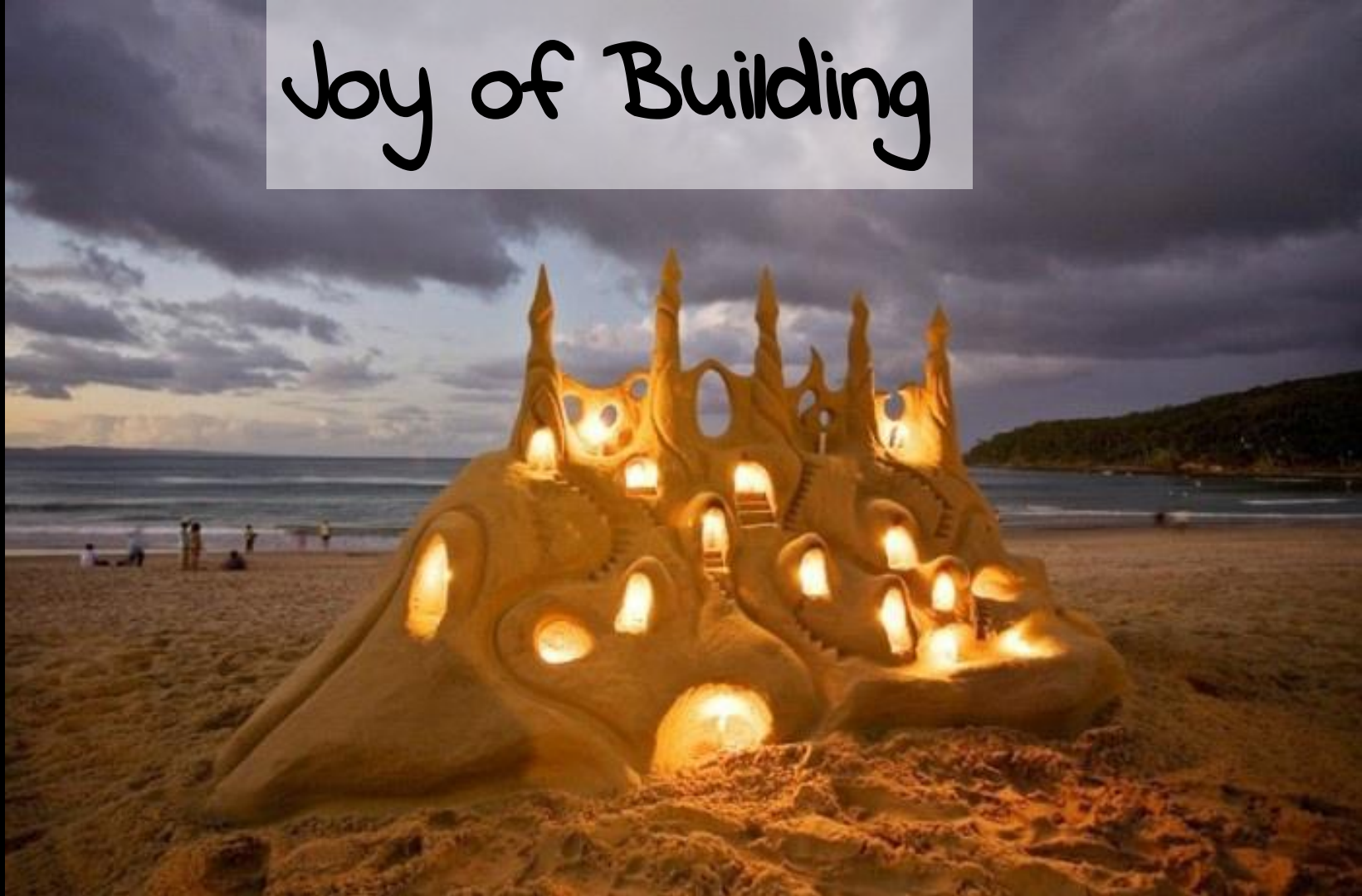
Jak využít počítačové algoritmy při každodenním rozhodování



Brian Christian a Tom Griffiths

Jan Melvil
publishing

Joy of Building



ANGRY BIRDS



#1 APP OF ALL TIME



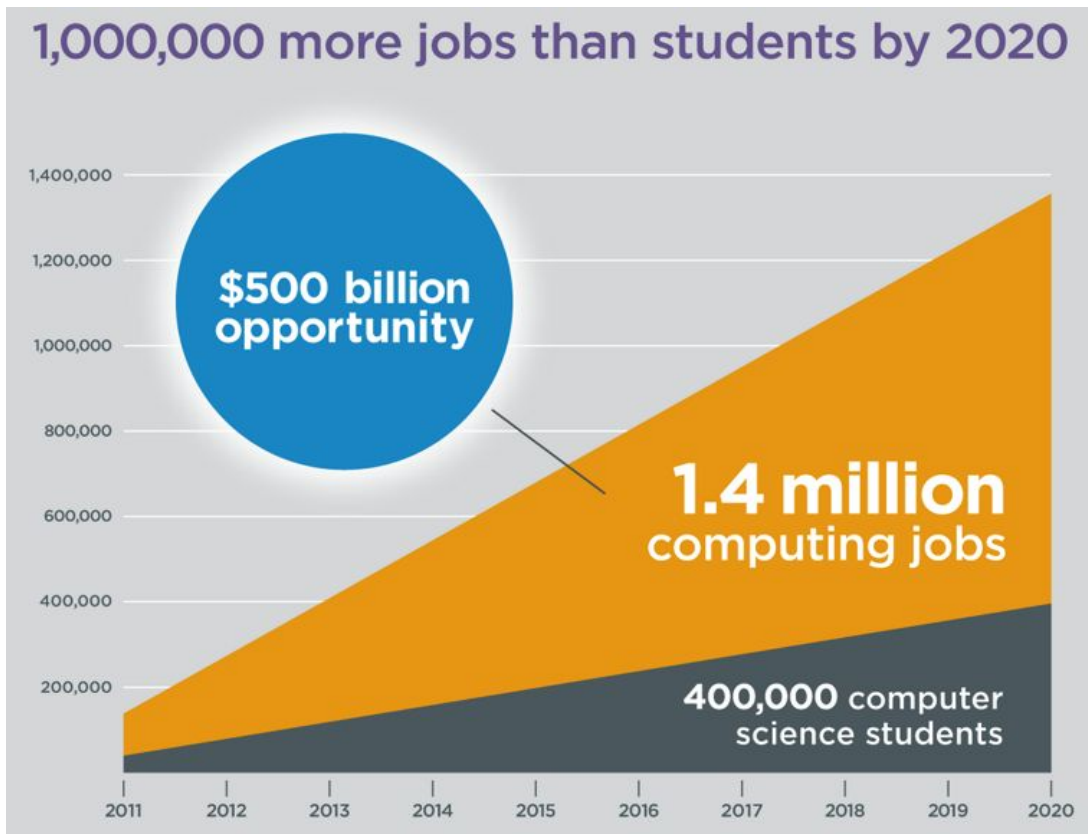
Closest Thing to Magic



Now is the time!



oh and it's useful



A warm, inviting interior scene. In the foreground, a brown coir doormat with the word 'WELCOME' in black capital letters is visible. The background shows a blurred hallway with warm lighting, a staircase, and a doorway, creating a sense of depth and warmth.

Everyone is welcome

Tell your friends :-)

Keep Learning by Doing



```
// good life  
while(true) {  
    learn();  
    play();  
    love();  
    pause(8);  
}
```

You should be
proud of
yourselves

